

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An inverter device comprising:  
an inverter circuit including  
a bridge circuit connected between a positive electrode and a negative electrode of a direct-current power supply, the bridge circuit including  
\_\_\_\_\_ -an upper arm unit including an upper-arm switching element and an upper arm diode and a lower arm unit connected in reverse-parallel to each other; and series, wherein  
\_\_\_\_\_ a lower ~~the upper~~ arm unit including includes a upper arm switching element and a diode connected back to back to each other, and  
\_\_\_\_\_ ~~the a lower arm unit includes a lower arm switching element and a lower arm diode connected in reverse-parallel back to back to each other, the lower arm unit being series connected with the upper arm unit;~~  
an inverter driving unit including a high-~~withstand-voltage-compression~~ IC that drives switching elements in the upper arm unit the upper arm switching element and the lower arm unit, the high-withstand-voltage IC having a first terminal for supplying a reference voltage to the switching element in the lower arm unit and a second terminal for supplying a high-voltage to the switching element in the the upper arm unit; and  
a clamp unit that clamps a potential difference in potential between the first a lower arm driving reference supply terminal of the high compression IC and the second an upper arm driving high pressure side power supply terminal of the high compression IC.
2. (original): The inverter device according to claim 1, wherein the inverter circuit is a single-phase inverter circuit.

3. (original): The inverter device according to claim 2, wherein the clamp unit is a clamp diode.
4. (currently amended): The inverter device according to claim 3, wherein a current rating ~~of required for the clamp diode~~ is smaller than a current rating of the lower arm ~~required for the diode, connected back to back with the lower arm switching element.~~
5. (currently amended): The inverter device according to claim 3, wherein the clamp diode is ~~provided attached on~~ outside of the high-withstand-voltage ~~compression~~ IC.
6. (original): The inverter device according to claim 1, wherein the inverter circuit is a three-phase inverter circuit.
7. (currently amended): The inverter device according to claim 6, wherein the clamp unit ~~includes is~~ a plurality of clamp diodes each corresponding to ~~provided for~~ each phase of the three-phase inverter circuit.
8. (canceled).
9. (canceled).
- 10.. (new): The inverter device according to claim 7, wherein each of the clamp diodes is connected between the first terminal and each of the second terminals.
11. (new): The inverter device according to claim 7, wherein the high-withstand-voltage IC having a third terminal for supplying a high-voltage to the switching element in the lower arm unit, and fourth terminals each for supplying a high-voltage to a switching element in each phase, and the clamp diodes include
  - a first clamp diode connected between the first terminal and the third terminal; and
  - second clamp diodes each connected between the third terminal and each of the fourth terminals.